

# Installation of the CAN bus network for the XEN-5320-CAN

This is a manual describing the physical installation of the CAN bus network for the XEN-5320 CAN devices.

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## 1 Installation

The CAN bus network for the XEN-5320 CAN sensors consists of the following items:

- Terminators
- XEN-5320 CAN sensor(s)
- CAN cables (optionally)
- Power supply, 12 V
- Kvaser CAN-USB interface

Figure 1 shows a correct setup of the network.

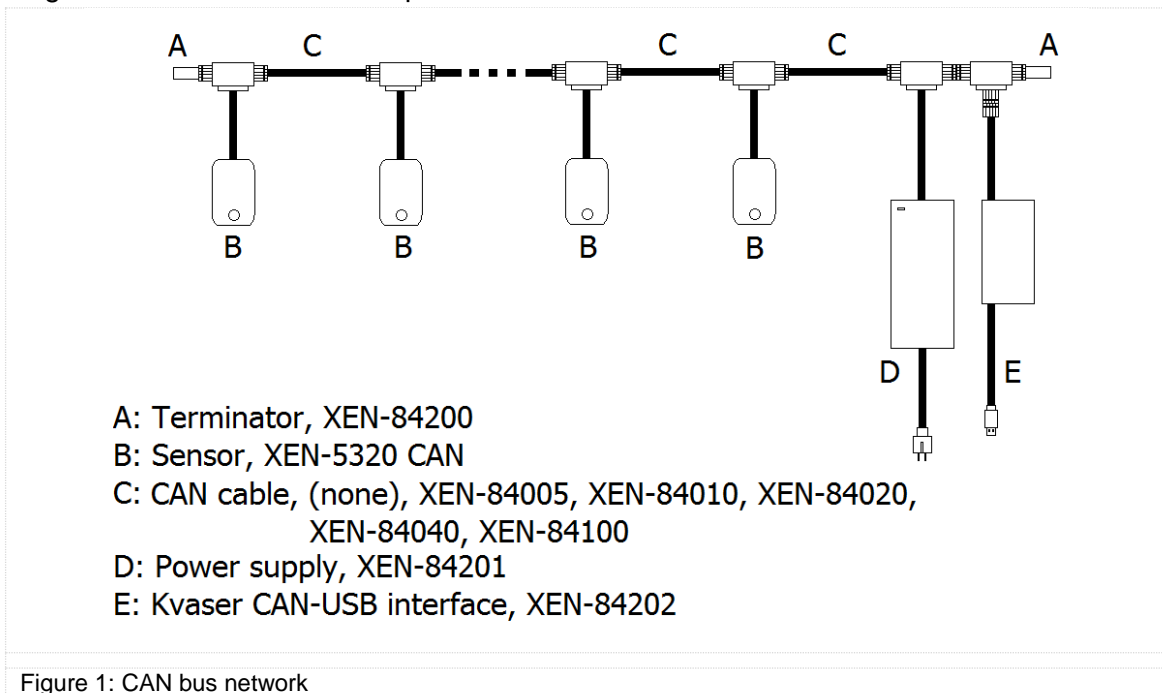


Figure 1: CAN bus network

The CAN bus network consists of a central line (all the cables C), with CAN bus devices connected via T-pieces. The CAN bus line has to be terminated with 120 Ohm Terminators (A) on both ends. It is not allowed to split the central line, into a Y-shaped configuration. Only T sections to the XEN-5320 CAN sensors, power supply and CAN-USB interface (together called CAN bus devices, B) are allowed. The cables to the devices from the T-sections may not be longer than 30 cm.

The CAN-USB devices (B) can be at any location in the CAN bus line, in any order. The length of the cables (C) between the devices can range from zero to hundreds of meters. The total length of the CAN bus line is in general limited to a few hundred meters, also depending on the data rate.

### Xensor Integration bv

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